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(FILE 'HOME' ENTERED AT 13:52:59 ON 07 JUL 2004)

FILE 'REGISTRY' ENTERED AT 13:53:06 ON 07 JUL 2004

L1 1 S ISOPHORONENITRILE/CN
L2 1 S ISOPHORONE/CN
L3 1 S HYDROGEN CYANIDE/CN
L4 0 S HCN/CF
L5 0 S HCN/CN
L6 1 S CALCIUM OXIDE/CN

FILE 'CAPLUS, USPATFULL, CA, CAOLD' ENTERED AT 13:59:24 ON 07 JUL 2004

L7 71 S L1 AND L2
L8 35 S L7 AND L3
L9 3 S L8 AND L6
L10 42 S L7 AND HCN
L11 11 S L10 NOT L8
L12 0 S L11 AND L6
L13 2 DUP REM L9 (1 DUPLICATE REMOVED)

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
 AN 2004:386596 CAPLUS

DN 140:391385

TI Regioselective hydrocyanation process for the calcium oxide-catalyzed preparation of isophorone nitrile from hydrogen cyanide and isophorone
 IN Kunsmann-Keitel, Dagmar; Braun, Gerold; Muenster, Ingo; Mundinger, Klaus;
 Scherhag, Gunter; Siegel, Wolfgang
 PA BASF Aktiengesellschaft, Germany
 SO Eur. Pat. Appl., 5 pp.

CODEN: EPXXDW

DT Patent
 LA German

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1418172	A2	20040512	EP 2003-25652	20031107
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	DE 10251680	A1	20040519	DE 2002-10251680	20021107
	JP 2004155785	A2	20040603	JP 2003-375444	20031105
	US 2004092761	A1	20040513	US 2003-701513	20031106

PRAI DE 2002-10251680 A 20021107

OS CASREACT '140:391385

AB A regioselective hydrocyanation process for the calcium oxide-catalyzed preparation of isophorone nitrile from hydrogen cyanide and isophorone is presented in which the calcium oxide regioselective hydrocyanation catalyst has a BET surface area of >1.5 m²/g.

L13 ANSWER 2 OF 2 USPATFULL on STN

AN 2004:121345 USPATFULL

TI CaO-catalyzed preparation of isophoronenitrile

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 Scherhag, Gunter, Heidelberg, GERMANY, FEDERAL REPUBLIC OF
 Siegel, Wolfgang, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF

PI US 2004092761 A1 20040513

AI US 2003-701513 A1 20031106 (10)

PRAI DE 2002-10251680 20021107

DT Utility

FS APPLICATION

LREP Herbert B. Keil, KEIL & WEINKAUF, 1350 Connecticut Ave., N.W.,
 Washington, DC, 20036

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 281

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention describes a process for preparing isophoronenitrile by adding HCN to isophorone. The catalyst used is CaO which has a BET surface area of >1.5 m²/g. The use of such a catalyst achieves high yields and selectivities.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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